



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 14/03/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 09-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W1213 A
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 14/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1213 A	M30	07/03/2022	14/03/2022	149.03 X 151.05 X 149.17	22511	8.447	575.7	25.6	25.6
2	Cement Concrete Pavement - Bharath Nagara W1213 A	M30	07/03/2022	14/03/2022	150.07 X 150.00 X 149.60	22510	9.054	592.6	26.3	
3	Cement Concrete Pavement - Bharath Nagara W1213 A	M30	07/03/2022	14/03/2022	150.30 X 150.78 X 149.80	22663	8.847	561.5	24.8	

* The results obtained are satisfactory as per standard requirements.

Signature of Authorized Signatory
Byatarayanapura Sub Division
BBMP P Bangalore-560024
Page 1/1
****End of Report****



FOR CIVIL Pro.
R. KARTHIK RECHAN
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Quality Manager

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HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-06-23-45 Date: 04/04/2022

Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109.110.111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.

Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 09-03-2022

Customer ID : Cement Concrete Pavement - Bharath Nagara W1213 A

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 04/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1213 A	M30	07/03/2022	04/04/2022	151.84 X 151.06 X 151.32	22937	8.859	769.5	33.5	32.9
2	Cement Concrete Pavement - Bharath Nagara W1213 A	M30	07/03/2022	04/04/2022	150.25 X 151.02 X 151.33	22690	8.494	731.4	32.2	
3	Cement Concrete Pavement - Bharath Nagara W1213 A	M30	07/03/2022	04/04/2022	151.34 X 151.06 X 150.82	22862	8.107	755.7	33.1	

* The results obtained are satisfactory as per standard requirements.

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Quality Manager

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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-06-23-45 Date: 17/03/2022

Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.

Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013

Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 12-03-2022

Customer ID : Cement Concrete Pavement - Bharath Nagara W1213

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	17/03/2022	151.97 X 150.72 X 149.89	22906	8.912	592.2	25.9	25.9
2	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	17/03/2022	149.70 X 151.09 X 149.13	22618	8.197	606.5	26.8	
3	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	17/03/2022	149.26 X 151.04 X 150.16	22544	8.912	562.9	25.0	

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Page 1/1 Bangalore-560013

****End of Report****

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 07/04/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
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Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 12-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W1213
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 07/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	07/04/2022	151.74 X 150.72 X 150.38	22871	9.063	765.8	33.5	33.1
2	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	07/04/2022	149.86 X 150.80 X 150.69	22599	8.729	738.2	32.7	
3	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	07/04/2022	150.90 X 149.52 X 149.80	22562	8.634	751.4	33.3	

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Page 1/1
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Quality Manager

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Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 12-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W1213
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 17/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	17/03/2022	150.37 X 151.95 X 150.14	22849	8.223	572.4	25.0	25.1
2	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	17/03/2022	151.52 X 149.42 X 150.67	22639	8.338	596.5	26.3	
3	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	17/03/2022	150.02 X 150.76 X 150.12	22617	8.111	543.4	24.0	

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****End of Report****

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Date: 07/04/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3. Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 12-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W1213
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 07/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	07/04/2022	149.65 X 150.29 X 151.20	22491	8.471	757.5	33.7	33.0
2	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	07/04/2022	150.93 X 149.78 X 151.55	22606	8.322	727.9	32.2	
3	Cement Concrete Pavement - Bharath Nagara W1213	M30	10/03/2022	07/04/2022	151.62 X 150.74 X 150.58	22856	8.294	758.7	33.2	

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp
Bharathnagara Sub Division
BBMP Bangalore-560013

Handwritten signature
FOR CIVIL PRO.
KARTHIK RECHAN
Authorized Signatory
Quality Manager
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Sig.....
Date.....
Assistant Engineer
Byatarayanapura Sub Division
BBMP Bangalore-560013
Page 1/1
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

Format No CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 21/03/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 15-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W1217 A
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	20/03/2022	151.76 X 149.30 X 151.74	22657	8.261	579.8	25.6	25.6
2	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	20/03/2022	150.23 X 149.41 X 150.54	22446	9.017	596.5	26.6	
3	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	20/03/2022	150.52 X 149.43 X 149.85	22492	8.537	552.2	24.6	

* The results obtained are satisfactory as per standard requirements.

20/03/2022
20/03/2022

Assistant Executive Engineer
Byatarayanapura Sub Division
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Page 1/1

****End of Report****



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Certificate No.: TC-5548

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-06-23-45 Date: 11/04/2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 15-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W1217 A
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5
Date of test : 10/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	10/04/2022	151.19 X 150.46 X 150.79	22747	8.971	772.5	34.0	33.2
2	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	10/04/2022	149.23 X 150.62 X 151.09	22478	9.030	722.6	32.1	
3	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	10/04/2022	149.99 X 149.29 X 150.05	22392	8.253	749.5	33.5	

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp of the Assistant Executive Engineer, Byatarayanapura Sub Division, BBMP, Bangalore-560024.

Assistant Executive Engineer
Byatarayanapura Sub Division
BBMP Bangalore-560024
Page 1/1
****End of Report****

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Date.....
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Quality Manager

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Customer's Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 15-03-2022

Customer ID : Cement Concrete Pavement - Bharath Nagara W1217 A

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	20/03/2022	150.53 X 150.78 X 151.59	22697	8.550	580.6	25.6	25.6
2	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	20/03/2022	151.56 X 150.03 X 150.17	22739	8.461	596.6	26.2	
3	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	20/03/2022	150.47 X 151.27 X 151.41	22762	8.886	567.3	24.9	

* The results obtained are satisfactory as per standard requirements.

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Byatarayanapura Sub Division
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Page 1/1

****End of Report****



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Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 15-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W1217 A
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5

Date of test : 10/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	10/04/2022	149.68 X 149.21 X 151.45	22335	8.166	742.4	33.2	33.0
2	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	10/04/2022	149.25 X 150.58 X 151.49	22473	8.477	726.8	32.3	
3	Cement Concrete Pavement - Bharath Nagara W1217 A	M30	13/03/2022	10/04/2022	149.66 X 151.12 X 150.95	22617	8.347	756.2	33.4	

* The results obtained are satisfactory as per standard requirements.

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Assistant Engineer
Byatarayanapura Sub Division
Bangalore-560013

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Date.....
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Quality Manager
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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-06-23-45 Date: 23/03/2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and
Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI
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Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura,
Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 18-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0788
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	23/03/2022	151.07 X 150.50 X 150.04	22736	9.023	587.6	25.8	25.6
2	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	23/03/2022	151.25 X 151.82 X 150.32	22962	8.190	616.8	26.9	
3	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	23/03/2022	151.15 X 150.37 X 151.42	22729	8.729	547.6	24.1	

* The results obtained are satisfactory as per standard requirements

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Assistant Executive Engineer
Byatarayanapura Sub Division
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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/04/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
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Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura,
Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 18-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0788
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 13/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	13/04/2022	150.47 X 151.27 X 150.58	22761	8.869	753.6	33.1	33.1
2	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	13/04/2022	150.80 X 150.99 X 151.85	22769	8.348	737.9	32.4	
3	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	13/04/2022	151.34 X 149.47 X 149.30	22622	8.168	760.9	33.6	

* The results obtained are satisfactory as per standard requirements.

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K. KARTHIK RECHAN
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Quality Manager

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 23/03/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109.110.111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
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Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 18-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0788
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 23/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	23/03/2022	151.20 X 149.67 X 149.32	22630	8.735	579.6	25.6	25.5
2	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	23/03/2022	150.47 X 151.63 X 150.59	22815	8.151	612.0	26.8	
3	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	23/03/2022	150.42 X 150.52 X 150.73	22641	8.115	546.2	24.1	

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 13/04/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and
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Customer's Reference : BBMP/EE/BTP/VO/02/2021-22
Date of Receipt : 18-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0788
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete C1.5

Date of test : 13/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	13/04/2022	151.49 X 150.56 X 149.65	22809	8.464	753.7	33.0	33.2
2	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	13/04/2022	149.66 X 151.80 X 150.16	22718	8.743	744.6	32.8	
3	Cement Concrete Pavement - Bharath Nagara W0788	M30	16/03/2022	13/04/2022	149.82 X 151.56 X 150.34	22707	8.285	767.1	33.8	

* The results obtained are satisfactory as per standard requirements.

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TEST REPORT OF CEMENT CONCRETE CUBES

Date: 26/03/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and
Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI
No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli
and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure)
Go SI No 112 and 113.
Agency : M/s. Ram and Company. Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura,
Bangalore-560013
Customer's Reference : BBMP EE BTP WO 02/2021-22
Date of Receipt : 21-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0794
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	149 60 X 151 53 X 149 05	22668	9 073	575 9	25 4	25 5
2	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	150 87 X 151 86 X 149 14	22911	8 825	612 7	26 7	
3	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	151 87 X 150 86 X 151 31	22912	8 379	556 5	24 3	

* The results obtained are satisfactory as per standard requirements

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B.B.M.P. Bangalore-560024

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024
Page 1/1
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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : CP-2022-06-23-45 Date: 16/04/2022

Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.

Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013

Customer's Reference : BBMP/EE/BTP/VO/02/2021-22

Date of Receipt : 21-03-2022

Customer ID : Cement Concrete Pavement - Bharath Nagara W0794

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M30 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	16/04/2022	149.39 X 149.99 X 149.66	22406	8.219	742.5	33.1	32.8
2	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	16/04/2022	150.64 X 150.10 X 151.07	22612	9.057	723.7	32.0	
3	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	16/04/2022	150.91 X 149.53 X 149.45	22564	8.582	751.1	33.3	

* The results obtained are satisfactory as per standard requirements.

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024
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Date: 26/03/2022

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Project Name : Package-3, Includes 5 Works
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Bangalore-560013
Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 21-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0794
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	151.56 X 149.44 X 150.30	22649	8.789	585.2	25.8	25.5
2	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	149.89 X 150.17 X 151.81	22509	8.641	594.8	26.4	
3	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	149.97 X 150.95 X 150.10	22638	9.006	550.8	24.3	

* The results obtained are satisfactory as per standard requirements.

(Signature)
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ಶ್ರೀಮತಿ. ರಮೇಶ್ ಬಿ. ರಾಜ್

(Signature)
Assistant Executive Eng.
Byatarayanapura Sub Division
BBMP Bangalore-560024
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Customer's Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 21-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0794
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 7 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 26/03/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	151.56 X 149.44 X 150.30	22649	8.789	585.2	25.8	25.5
2	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	149.89 X 150.17 X 151.81	22509	8.641	594.8	26.4	
3	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	26/03/2022	149.97 X 150.95 X 150.10	22638	9.006	550.8	24.3	

* The results obtained are satisfactory as per standard requirements.

ಶ್ರೀ ರಾಜೇಶ್ ಕೆ.ಎಸ್
ಇಂಜಿನಿಯರ್
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಪ್ರಾಧಿಕಾರವಹಾರಿ ಸಹ ನಿರ್ದೇಶಕಿ

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ಪ್ರಾಥಮಿಕ ಪರೀಕ್ಷಾಫಲಾಂಶಗಳು ಸಮಗ್ರವಾಗಿವೆ
ಇವುಗಳ ಆಧಾರದ ಮೇಲೆ ಗುಣಮಟ್ಟದ ದೃಢೀಕರಣ



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Certificate No.: TC-5548

Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Date: 16/04/2022

Lab ID : CP-2022-06-23-45
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111. Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer's Reference : BBMP/EE/BTP/VO/02/2021-22
Date of Receipt : 21-03-2022
Customer ID : Cement Concrete Pavement - Bharath Nagara W0794
Sample Type /Size : 150X150X150 mm
Sample grade/Age : M30 / 28 Days Compressive Strength
Reference to BIS codes : IS: 516 - 1959 (RA 2018) Methods of Tests for Strength of Concrete Cl.5

Date of test : 16/04/2022

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen	Cross sectional area	Weight of the sample	Failure Load	Compressive strength	Average Compressive Strength
					(mm)	(Sq.mm)	(kg)	(KN)	(N/mm ²)	(N/mm ²)
1	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	16/04/2022	149.95 X 150.42 X 150.26	22555	8.852	763.5	33.9	33.5
2	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	16/04/2022	150.68 X 149.87 X 152.00	22583	8.130	744.5	33.0	
3	Cement Concrete Pavement - Bharath Nagara W0794	M30	19/03/2022	16/04/2022	151.37 X 149.81 X 149.11	22677	8.251	764.1	33.7	

* The results obtained are satisfactory as per standard requirements.

Signature of Assistant Executive Engineer
BYPATRAYANAPURA SUB DIVISION
BANGALORE-560024

Assistant Executive Engineer
Byatarayanapura Sub Division
B P M P Bangalore-560024
Page 1/1
****End of Report****



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Quality Manager

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Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR GSB (IS 2386:(Part 1) 1963 (RA2011))

Lab ID : CP-RW-2019-02-15-31 Date: 14-03-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli
Saraipalya and Bharathnagara and Surrounding Area in Ward No
06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go
SI No 109,110,111. Comprehensive Development and
Improvements to Roads and Drains Rachenahalli and Surrounding
Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2
(Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel
Pilligowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 12-03-2022
Type of Mix : GSB (Granular Sub Base)
Date of test : 12-03-2022
Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	997	997	9.97	90.03	80-100
26.5	1685	2682	26.82	73.18	55-90
9.5	1292	3974	39.74	60.26	35-65
4.75	1490	5464	54.64	45.36	25-55
2.36	1764	7228	72.28	27.72	20-40
0.425	1666	8894	88.94	11.06	10-25
0.075	1106	10000	100.00	0.00	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	21.33%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp

Handwritten signature and stamp
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore-560024



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R.KARTHIK RECHAN
Authorized Signatory
Quality Manager

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TEST RESULTS OF GRADATION FOR GSB (IS 2386:(Part 1) 1963 (RA2011))

Lab ID : CP-RW-2019-02-15-31 Date: 14-03-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli
Saraipalya and Bharathnagara and Surrounding Area in Ward No
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel
Pilligowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 12-03-2022
Type of Mix : GSB (Granular Sub Base)
Date of test : 12-03-2022
Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	995	995	9.95	90.05	80-100
26.5	1703	2698	26.98	73.02	55-90
9.5	1280	3978	39.78	60.22	35-65
4.75	1395	5373	53.73	46.27	25-55
2.36	1723	7096	70.96	29.04	20-40
0.425	1560	8656	86.56	13.44	10-25
0.075	1090	9746	97.46	2.54	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	22.50%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

(Handwritten signature)
KARTHIK RECHAN
B.B.M.P. Bangalore-560024

(Handwritten signature)
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024
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Authorized Signatory
Quality Manager



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Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR GSB (IS 2386:(Part 1) 1963 (RA2011))

Lab ID : CP-RW-2019-02-15-31 Date: 14-03-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel
Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 12-03-2022
Type of Mix : GSB (Granular Sub Base)
Date of test : 12-03-2022
Oven Dry Weight : 10000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	983	983	9.83	90.17	80-100
26.5	1681	2664	26.64	73.36	55-90
9.5	1287	3951	39.51	60.49	35-65
4.75	1502	5453	54.53	45.47	25-55
2.36	1698	7151	71.51	28.49	20-40
0.425	1664	8815	88.15	11.85	10-25
0.075	1049	9864	98.64	1.36	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	22.00%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

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TEST RESULTS OF GRADATION FOR GSB (IS 2386:(Part 1) 1963 (RA2011))

Lab ID : CP-RW-2019-02-15-31 Date: 16-03-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli
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Pillgowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-03-2022
Type of Mix : GSB (Granular Sub Base)
Date of test : 14-03-2022
Oven Dry Weight : 10500 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	388	388	3.70	96.30	80-100
26.5	1755	2143	20.41	79.59	55-90
9.5	2892	5035	47.95	52.05	35-65
4.75	1515	6550	62.38	37.62	25-55
2.36	1546	8096	77.10	22.90	20-40
0.425	256	8352	79.54	20.46	10-25
0.075	1654	10006	95.30	4.70	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	23.40%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

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TEST RESULTS OF GRADATION FOR GSB (IS 2386:(Part 1) 1963 (RA2011))

Lab ID : CP-RW-2019-02-15-31 Date: 16-03-2022
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel
Pillgowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-03-2022
Type of Mix : GSB (Granular Sub Base)
Date of test : 14-03-2022
Oven Dry Weight : 12560 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	1505	1505	11.98	88.02	80-100
26.5	3040	4545	36.19	63.81	55-90
9.5	1985	6530	51.99	48.01	35-65
4.75	1405	7935	63.18	36.82	25-55
2.36	1680	9615	76.55	23.45	20-40
0.425	1305	10920	86.94	13.06	10-25
0.075	1245	12165	96.86	3.14	0-5

TESTS ON FILLER SCREEN MATERIALS

SI no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	23.85%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR GSB (IS 2386:(Part 1) 1963 (RA2011))

Lab ID : CP-RW-2019-02-15-31 Date: 16-03-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli
Saraipalya and Bharathnagara and Surrounding Area in Ward No
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(Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel
Pillgowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-03-2022
Type of Mix : GSB (Granular Sub Base)
Date of test : 14-03-2022
Oven Dry Weight : 12005 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	1765	1765	14.70	85.30	80-100
26.5	1290	3055	25.45	74.55	55-90
9.5	1505	4560	37.98	62.02	35-65
4.75	1870	6430	53.56	46.44	25-55
2.36	1745	8175	68.10	31.90	20-40
0.425	1505	9680	80.63	19.37	10-25
0.075	1856	11536	96.09	3.91	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	21.44%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp

Handwritten signature and stamp
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560013



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Certificate No.: TC-5548

**TEST RESULTS OF GRADATION FOR GSB
(IS 2386:(Part 1) 1963 (RA2011))**

Lab ID : CP-RW-2019-02-15-31 Date: 16-03-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel
Pilligowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-03-2022
Type of Mix : GSB (Granular Sub Base)
Date of test : 14-03-2022
Oven Dry Weight : 10500 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec. Limit Vide Table 400.1 MORTH Specification
75	0	0	0	100	100
53	871	871	8.30	91.70	80-100
26.5	1988	2859	27.23	72.77	55-90
9.5	3065	5924	56.42	43.58	35-65
4.75	1598	7522	71.64	28.36	25-55
2.36	510	8032	76.50	23.50	20-40
0.425	910	8942	85.16	14.84	10-25
0.075	1159	10101	96.20	3.80	0-5

TESTS ON FILLER SCREEN MATERIALS

Sl no	Particulars	Test results	Spec.Limit Vide Table 400.2 MORTH Specification
1	Liquid Limit, %	22.99%	Maximum 25
2	Plasticity index, %	Non plastic	Maximum 6

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp

Handwritten signature and stamp
Assistant Executive Engineer
Byatarayanapura Sub Division,
B.B.M.P. Bangalore



FOR CIVIL PRO
Sig.....
Date.....
KARTHIK RECHAN
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Quality Manager

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Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 06-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 04-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 04-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	315	315	2.9	97.1	95-100
22.4	2259	2574	23.4	76.6	60-80
11.2	2179	4753	43.2	56.8	40-60
4.75	2251	7004	63.7	36.3	25-40
2.36	1621	8625	78.4	21.6	15-30
0.6	623	9248	84.1	15.9	8-22
0.075	1338	10586	96.2	3.8	0-5

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp

Handwritten signature and stamp
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore-560024
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Certificate No.: TC-5548

4, 7TH MAIN MALLESWARAM, BANGALORE -3

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 06-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
Comprehensive Development and Improvements to Roads and Drains
Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura
Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda
Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 04-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 04-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	320	320	2.9	97.1	95-100
22.4	2245	2565	23.3	76.7	60-80
11.2	2186	4751	43.2	56.8	40-60
4.75	2246	6997	63.6	36.4	25-40
2.36	1619	8616	78.3	21.7	15-30
0.6	625	9241	84.0	16.0	8-22
0.075	1321	10562	96.0	4.0	0-5

* The results obtained are satisfactory as per standard requirements.

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2022-04-06

2022-04-06
2022-04-06
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WATER TESTING | GEO TECHNICAL | PROJECT MANAGEMENT | SURVEYING SERVICES



AN ISO 9001 : 2008 COMPANY & ACCREDITED LABORATORY AS PER ISO/IEC 17025:2017
4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 06-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
Comprehensive Development and Improvements to Roads and Drains
Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura
Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda
Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/VO/02/2021-22
Date of Receipt : 04-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 04-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	295	295	2.7	97.3	95-100
22.4	2238	2533	23.0	77.0	60-80
11.2	2153	4686	42.6	57.4	40-60
4.75	2241	6927	63.0	37.0	25-40
2.36	1352	8279	75.3	24.7	15-30
0.6	602	8881	80.7	19.3	8-22
0.075	1623	10504	95.5	4.5	0-5

* The results obtained are satisfactory as per standard requirements.

20/04/2022
20.04.2022
20.04.2022

Page 177
Byatarayanapura Sub Division
B.B.M.P Bangalore-560024



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KARTHIK RECHAN
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Quality Manager

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ROADWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 06-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
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Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda
Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 04-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 04-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	269	269	2.4	97.6	95-100
22.4	2239	2508	22.8	77.2	60-80
11.2	2165	4673	42.5	57.5	40-60
4.75	2248	6921	62.9	37.1	25-40
2.36	1625	8546	77.7	22.3	15-30
0.6	625	9171	83.4	16.6	8-22
0.075	1335	10506	95.5	4.5	0-5

* The results obtained are satisfactory as per standard requirements.

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B.B.M.P. Bangalore

Handwritten signature and stamp
Assistant Engineer
Byatarayanapura Division
B.B.M.P. Bangalore
Page 2 of 2
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KARTHIK RECHAN
Authorized Signatory
Quality Manager



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 06-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
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Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/VO/02/2021-22
Date of Receipt : 04-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 04-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	312	312	2.8	97.2	95-100
22.4	2259	2571	23.4	76.6	60-80
11.2	2179	4750	43.2	56.8	40-60
4.75	2251	7001	63.6	36.4	25-40
2.36	1621	8622	78.4	21.6	15-30
0.6	623	9245	84.0	16.0	8-22
0.075	1331	10576	96.1	3.9	0-5

* The results obtained are satisfactory as per standard requirements.

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.M.P. Bangalore-560024
Page 1/1
End of Report



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KARTHIK RECHAN
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 09-04-2022 ✓
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda
Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 07-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 07-04-2022 ✓
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	293	293	2.7	97.3	95-100
22.4	2219	2512	22.8	77.2	60-80
11.2	2158	4670	42.5	57.5	40-60
4.75	2251	6921	62.9	37.1	25-40
2.36	1625	8546	77.7	22.3	15-30
0.6	610	9156	83.2	16.8	8-22
0.075	1368	10524	95.7	4.3	0-5

* The results obtained are satisfactory as per standard requirements.

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20.04.2022

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Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.N.R. Bangalore-560024
Page 1/1
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 09-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
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Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 07-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 07-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	261	261	2.4	97.6	95-100
22.4	2241	2502	22.7	77.3	60-80
11.2	2175	4677	42.5	57.5	40-60
4.75	2237	6914	62.9	37.1	25-40
2.36	1621	8535	77.6	22.4	15-30
0.6	654	9189	83.5	16.5	8-22
0.075	1350	10539	95.8	4.2	0-5

* The results obtained are satisfactory as per standard requirements.

REPORT SUBMITTED
09.04.2022

Byatarayanapura Sub Division
Bangalore-560024
Page 1/1
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 09-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
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Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 07-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 07-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	312	312	2.8	97.2	95-100
22.4	2289	2601	23.6	76.4	60-80
11.2	2156	4757	43.2	56.8	40-60
4.75	2198	6955	63.2	36.8	25-40
2.36	1669	8624	78.4	21.6	15-30
0.6	599	9223	83.8	16.2	8-22
0.075	1329	10552	95.9	4.1	0-5

* The results obtained are satisfactory as per standard requirements.

2022/04/09
2022/04/09

2022/04/09
Assistant Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024
Page 1/1
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 09-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
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Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 07-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 07-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	302	302	2.7	97.3	95-100
22.4	2247	2549	23.2	76.8	60-80
11.2	2165	4714	42.9	57.1	40-60
4.75	2243	6957	63.2	36.8	25-40
2.36	1632	8589	78.1	21.9	15-30
0.6	678	9267	84.2	15.8	8-22
0.075	1258	10525	95.7	4.3	0-5

* The results obtained are satisfactory as per standard requirements.

2-2
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024

2022/04/09
Assistant Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 09-04-2022

Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.

Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013

Customer Reference : BBMP/EE/BTP/WO/02/2021-22

Date of Receipt : 07-04-2022

Type of Mix : WMM (Wet Mix Macadam)

Date of test : 07-04-2022

Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	223	223	2.0	98.0	95-100
22.4	2164	2387	21.7	78.3	60-80
11.2	2379	4766	43.3	56.7	40-60
4.75	2451	7217	65.6	34.4	25-40
2.36	1865	9082	82.6	17.4	15-30
0.6	623	9705	88.2	11.8	8-22
0.075	1138	10843	98.6	1.4	0-5

* The results obtained are satisfactory as per standard requirements.

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22.04.2022
22.04.2022

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Assistant Executive Engineer
Byatarayanapura Sub Division
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Page 4/4
End of Report*



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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 13-04-2022 ✓
 Project Name : Package-3, Includes 5 Works
 Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
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 Customer Reference : BBMP/EE/BTP/WO/02/2021-22
 Date of Receipt : 11-04-2022
 Type of Mix : WMM (Wet Mix Macadam) ✓
 Date of test : 11-04-2022
 Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	12	12	0.1	99.9	95-100
22.4	2287	2299	20.9	79.1	60-80
11.2	2315	4614	41.9	58.1	40-60
4.75	1799	6413	58.3	41.7	25-40
2.36	1974	8387	76.2	23.8	15-30
0.6	654	9041	82.2	17.8	8-22
0.075	1563	10604	96.4	3.6	0-5

* The results obtained are satisfactory as per standard requirements.

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Certificate No.: TC-5548

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Layout, Ramachandrapura, Bangalore-560013
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Date of test : 11-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	232	232	2.1	97.9	95-100
22.4	2133	2365	21.5	78.5	60-80
11.2	2365	4730	43.0	57.0	40-60
4.75	1956	6686	60.8	39.2	25-40
2.36	1886	8572	77.9	22.1	15-30
0.6	255	8827	80.2	19.8	8-22
0.075	1654	10481	95.3	4.7	0-5

* The results obtained are satisfactory as per standard requirements.

20.04.2022
B.B.M.P. Bangalore-560024

20.04.2022
B.B.M.P. Bangalore-560024
End of Report*



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Type of Mix : WMM (Wet Mix Macadam)
Date of test : 11-04-2022 ✓
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	302	302	2.7	97.3	95-100
22.4	2347	2649	24.1	75.9	60-80
11.2	2088	4737	43.1	56.9	40-60
4.75	2218	6955	63.2	36.8	25-40
2.36	1675	8630	78.5	21.5	15-30
0.6	642	9272	84.3	15.7	8-22
0.075	1485	10757	97.8	2.2	0-5

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp

Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M. Bangalore-560024



FOR CIVIL Pro.
R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

M : 9972924526 | Tel : +91 80 23444801 | e : rechan6630@yahoo.co.in, civilproexperts@gmail.com

HIGHWAY & BUILDING MATERIALS TESTING LABORATORY | STRUCTURAL | ENVIRONMENTAL
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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 13-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
Comprehensive Development and Improvements to Roads and Drains
Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura
Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda
Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 11-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 11-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	298	298	2.7	97.3	95-100
22.4	2072	2370	21.5	78.5	60-80
11.2	2349	4719	42.9	57.1	40-60
4.75	2217	6936	63.1	36.9	25-40
2.36	1754	8690	79.0	21.0	15-30
0.6	228	8918	81.1	18.9	8-22
0.075	1623	10541	95.8	4.2	0-5

* The results obtained are satisfactory as per standard requirements.

Signature of Assistant Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024

Assistant Engineer
Byatarayanapura Sub Division
B.B.M.P. Bangalore-560024
End of Report*



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TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 13-04-2022
Project Name : Package-3, Includes 5 Works
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Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 11-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 11-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	216	216	2.0	98.0	95-100
22.4	2198	2414	21.9	78.1	60-80
11.2	2109	4523	41.1	58.9	40-60
4.75	2588	7111	64.6	35.4	25-40
2.36	1569	8680	78.9	21.1	15-30
0.6	598	9278	84.3	15.7	8-22
0.075	1562	10840	98.5	1.5	0-5

* The results obtained are satisfactory as per standard requirements.

23/04/2022
23/04/2022
23/04/2022

23/04/2022



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K KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
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TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 16-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
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Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 14-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	342	342	3.1	96.9	95-100
22.4	2188	2530	23.0	77.0	60-80
11.2	2085	4615	42.0	58.0	40-60
4.75	2388	7003	63.7	36.3	25-40
2.36	1785	8788	79.9	20.1	15-30
0.6	638	9426	85.7	14.3	8-22
0.075	1201	10627	96.6	3.4	0-5

* The results obtained are satisfactory as per standard requirements.

20.04.2022
20.04.2022

20.04.2022
Assistant Executive Engineer
Byatarayan Sub Division
B.B.M.P Bangalore-560024



FOR CIVIL Pro.
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Quality Manager

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Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 14-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	402	402	3.7	96.3	95-100
22.4	2286	2688	24.4	75.6	60-80
11.2	2377	5065	46.0	54.0	40-60
4.75	2875	7940	72.2	27.8	25-40
2.36	1201	9141	83.1	16.9	15-30
0.6	801	9942	90.4	9.6	8-22
0.075	895	10837	98.5	1.5	0-5

* The results obtained are satisfactory as per standard requirements.



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Sig.....
Date.....
R. KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1

End of Report

Byd... Sub Division
B.S.M.P Bangalore-550024

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 16-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya
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Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 14-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	298	298	2.7	97.3	95-100
22.4	2078	2376	21.6	78.4	60-80
11.2	2314	4690	42.6	57.4	40-60
4.75	2098	6788	61.7	38.3	25-40
2.36	1987	8775	79.8	20.2	15-30
0.6	547	9322	84.7	15.3	8-22
0.075	1256	10578	96.2	3.8	0-5

* The results obtained are satisfactory as per standard requirements.



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Sig.....
Date.....
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Page 1/1
End of Report
Assistant Engineer
Byatarayanapura
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Lab ID : CP-RW-2022-06-23-45 Date: 16-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 14-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	306	306	2.8	97.2	95-100
22.4	2876	3182	28.9	71.1	60-80
11.2	2186	5368	48.8	51.2	40-60
4.75	2251	7619	69.3	30.7	25-40
2.36	1302	8921	81.1	18.9	15-30
0.6	409	9330	84.8	15.2	8-22
0.075	1152	10482	95.3	4.7	0-5

* The results obtained are satisfactory as per standard requirements.

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Page 1/1
*End of Report



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Quality Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 16-04-2022
Project Name : Package-3, Includes 5 Works
Improvements to Roads and Drains at Thanisandra Dasarahalli Saraipalya and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura Sub Division Package-3 (Old Annuxure-2) Go SI No 109,110,111.
Comprehensive Development and Improvements to Roads and Drains Rachenahalli and Surrounding Area in Ward No 6 and 7 Byatarayanapura Sub Division Package-2 (Old Annuxure) Go SI No 112 and 113.
Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 14-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 14-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	287	287	2.6	97.4	95-100
22.4	2755	3042	27.7	72.3	60-80
11.2	2096	5138	46.7	53.3	40-60
4.75	2176	7314	66.5	33.5	25-40
2.36	1064	8378	76.2	23.8	15-30
0.6	720	9098	82.7	17.3	8-22
0.075	1463	10561	96.0	4.0	0-5

* The results obtained are satisfactory as per standard requirements.

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Handwritten signature

Page 1/1
End of Report



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Authorized Signatory
Quality Manager

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4, 7TH MAIN MALLESWARAM, BANGALORE -3

Certificate No.: TC-5548

TEST RESULTS OF GRADATION FOR WMM

Lab ID : CP-RW-2022-06-23-45 Date: 20-04-2022
Project Name : Package-3, Includes 5 Works
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and Bharathnagara and Surrounding Area in Ward No 06 Byatarayanapura
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Agency : M/s. Ram and Company, Prop. Sri C R Girish, No:12, Patel Pillegowda
Layout, Ramachandrapura, Bangalore-560013
Customer Reference : BBMP/EE/BTP/WO/02/2021-22
Date of Receipt : 18-04-2022
Type of Mix : WMM (Wet Mix Macadam)
Date of test : 18-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	409	409	3.7	96.3	95-100
22.4	3025	3434	31.2	68.8	60-80
11.2	2805	6239	56.7	43.3	40-60
4.75	1598	7837	71.2	28.8	25-40
2.36	1101	8938	81.3	18.7	15-30
0.6	710	9648	87.7	12.3	8-22
0.075	835	10483	95.3	4.7	0-5

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp of the Engineer in Charge, B.B.M.P. Bangalore.

Handwritten signature and stamp of the Engineer in Charge, B.B.M.P. Bangalore.



FOR CIVIL Pro.
KARTHIK RECHAN
Authorized Signatory
Quality Manager

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Date of Receipt : 18-04-2022
Type of Mix : WMM (Wet Mix Macadam)
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Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	300	300	2.7	97.3	95-100
22.4	3205	3505	31.9	68.1	60-80
11.2	2091	5596	50.9	49.1	40-60
4.75	1647	7243	65.8	34.2	25-40
2.36	1287	8530	77.5	22.5	15-30
0.6	904	9434	85.8	14.2	8-22
0.075	1256	10690	97.2	2.8	0-5

* The results obtained are satisfactory as per standard requirements.

Handwritten signature and stamp

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Page 1/1 Sub Division
* End of Report *

By: B.B.M.P Bangalore-560024



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KARTHIK RECHAN
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IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	510	510	4.6	95.4	95-100
22.4	3587	4097	37.2	62.8	60-80
11.2	2410	6507	59.2	40.8	40-60
4.75	1546	8053	73.2	26.8	25-40
2.36	1095	9148	83.2	16.8	15-30
0.6	810	9958	90.5	9.5	8-22
0.075	856	10814	98.3	1.7	0-5

* The results obtained are satisfactory as per standard requirements.

20.04.2022
20.04.2022

Page 1/1
End of Report

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Quality Manager

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Date of test : 18-04-2022
Oven Dry Weight : 11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	298	298	2.7	97.3	95-100
22.4	2078	2376	21.6	78.4	60-80
11.2	2314	4690	42.6	57.4	40-60
4.75	2098	6788	61.7	38.3	25-40
2.36	1987	8775	79.8	20.2	15-30
0.6	547	9322	84.7	15.3	8-22
0.075	1256	10578	96.2	3.8	0-5

* The results obtained are satisfactory as per standard requirements.

20.04.2022
K. R. CHAN
20.04.2022

20.04.2022
Assistant Executive Engineer
Byatarayanapura Sub Division
B.B.M.P Bangalore-560024



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